

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102023\
 Data File : VY016055.D
 Acq On : 20 Oct 2023 10:13
 Operator : SY/MD
 Sample : VY1020SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 20 23:03:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

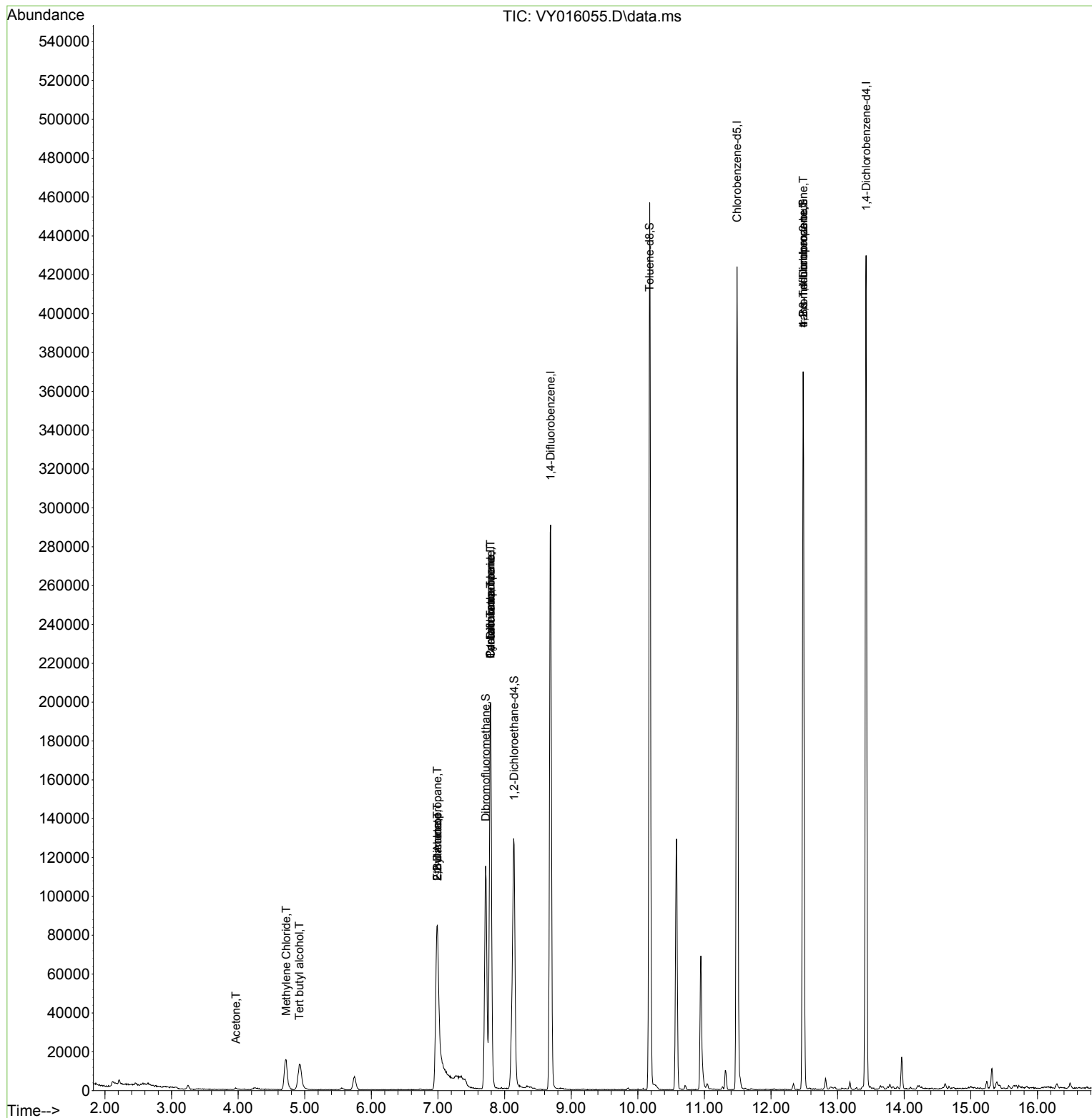
Internal Standards						
1) Pentafluorobenzene	7.789	168	157195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	258461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	237999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93024	52.067	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.140%	
35) Dibromofluoromethane	7.716	113	82922	48.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.480%	
50) Toluene-d8	10.179	98	300279	48.600	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.200%	
62) 4-Bromofluorobenzene	12.483	95	103107	46.769	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	14579	52.862	ug/l #	89
16) Acetone	3.966	43	1209	1.826	ug/l	92
20) Methylene Chloride	4.722	84	12415	6.310	ug/l	85
25) 2-Butanone	6.990	43	5105	5.628	ug/l #	70
26) 2,2-Dichloropropane	6.990	77	7783	2.840	ug/l #	54
31) Cyclohexane	7.789	56	3031	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	12338	4.821	ug/l #	49
37) Ethyl Acetate	6.990	43	5105	2.767	ug/l #	1
38) Carbon Tetrachloride	7.789	117	15436	5.674	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	55090	34.055	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55090	74.338	ug/l #	11

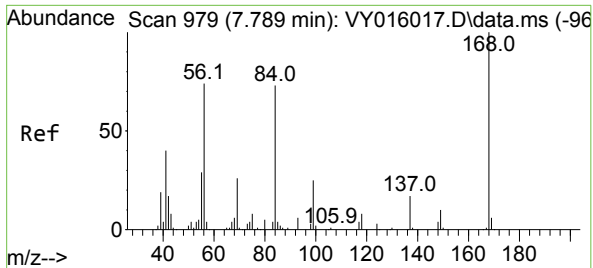
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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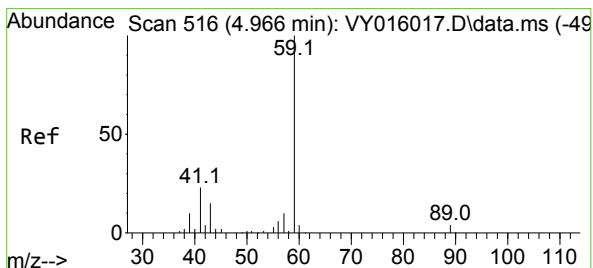
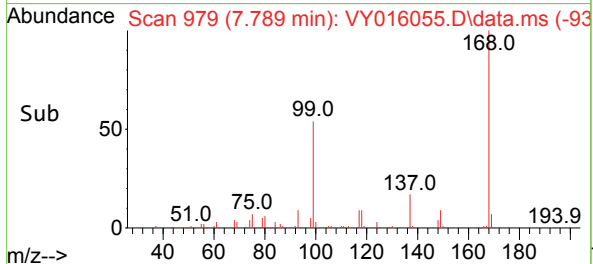
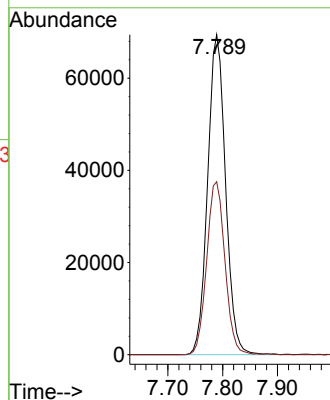
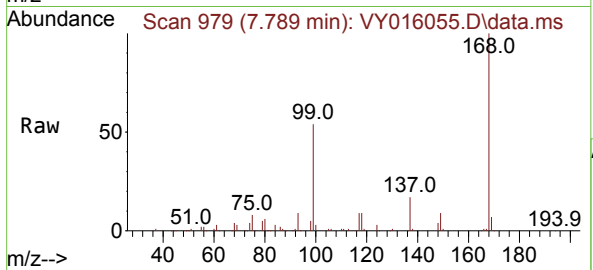




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

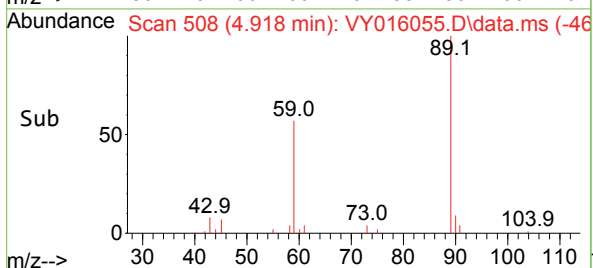
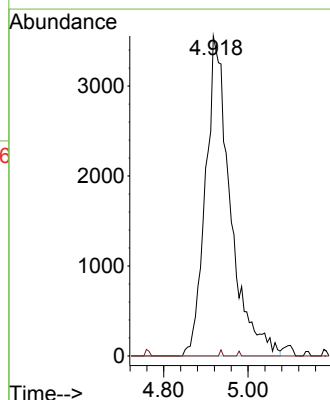
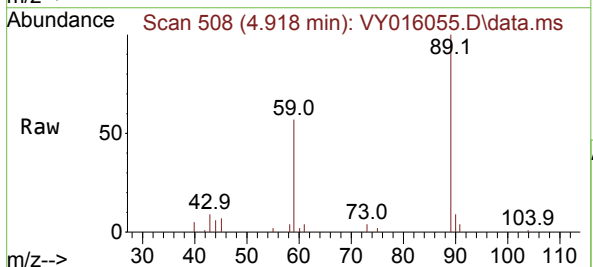
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MSVOA_Y
ClientSampleId :

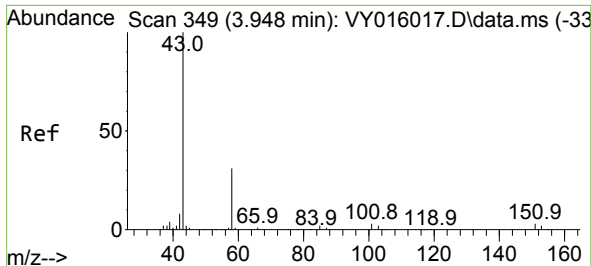
Tgt Ion:168 Resp: 157195
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 52.862 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.049 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

Tgt Ion: 59 Resp: 14579
Ion Ratio Lower Upper
59 100
57 0.2 3.0 4.4#

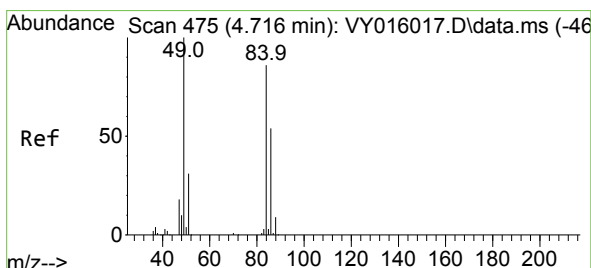
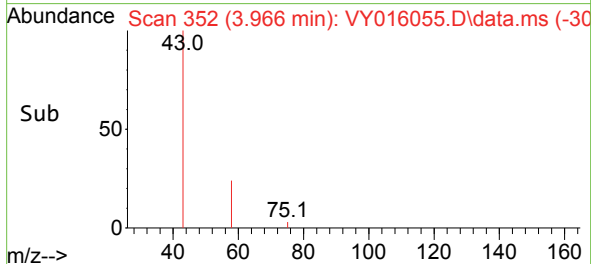
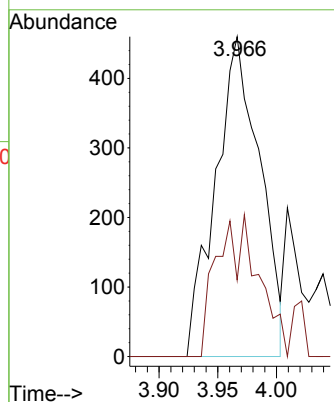
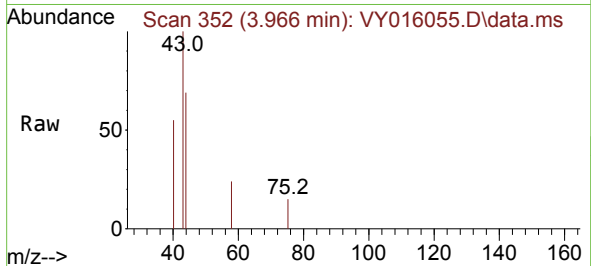




#16
Acetone
Concen: 1.826 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.018 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

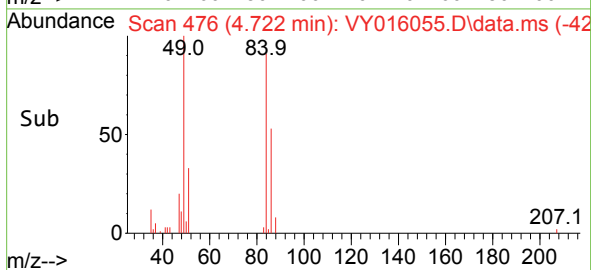
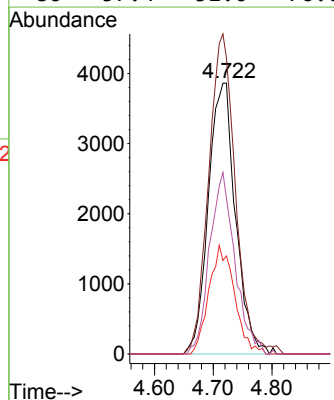
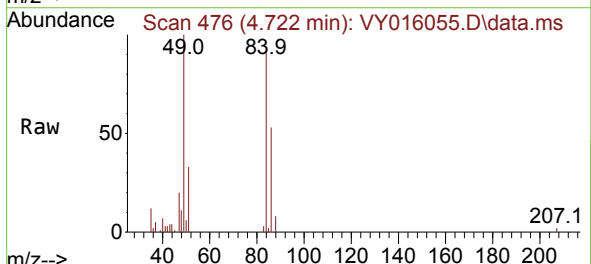
Instrument :
MSVOA_Y
ClientSampleId :

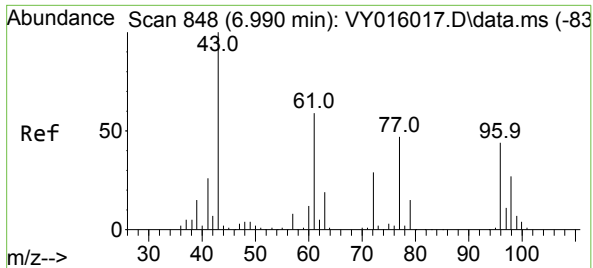
Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 23.9 22.7 34.1



#20
Methylene Chloride
Concen: 6.310 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

Tgt Ion: 84 Resp: 12415
Ion Ratio Lower Upper
84 100
49 109.3 106.9 160.3
51 36.2 33.2 49.8
86 57.4 51.0 76.6

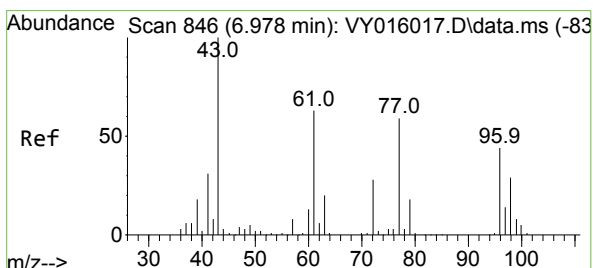
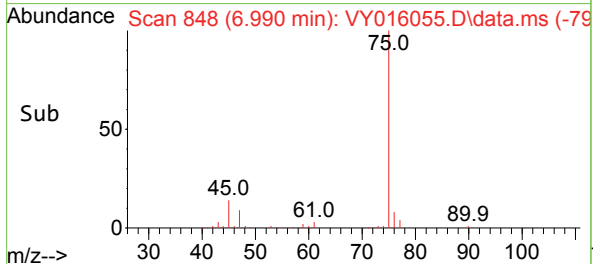
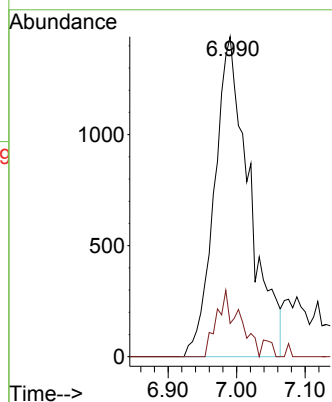
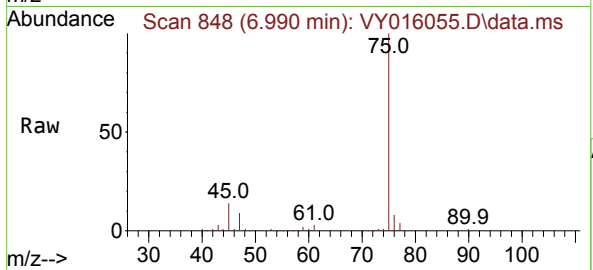




#25
2-Butanone
Concen: 5.628 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

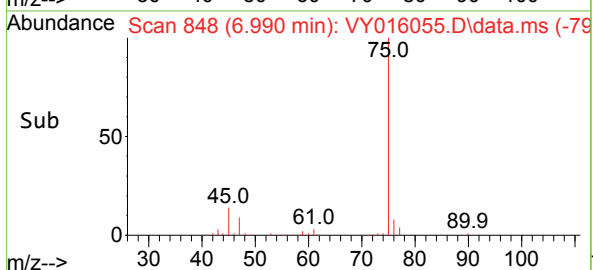
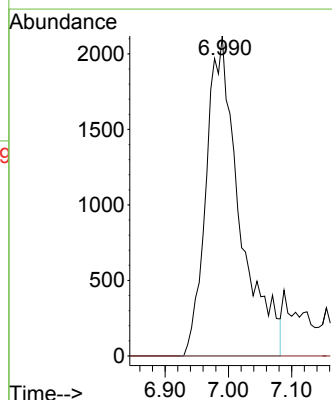
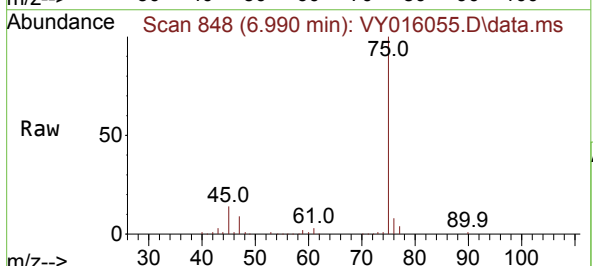
Instrument :
MSVOA_Y
ClientSampleId :

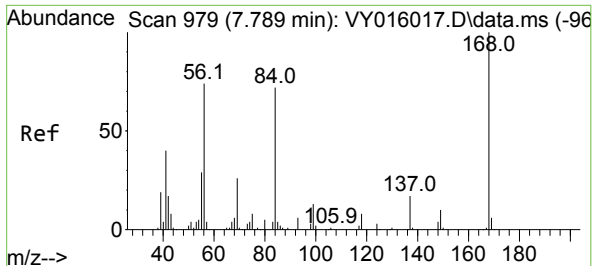
Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
72 10.4 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.840 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

Tgt Ion: 77 Resp: 7783
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

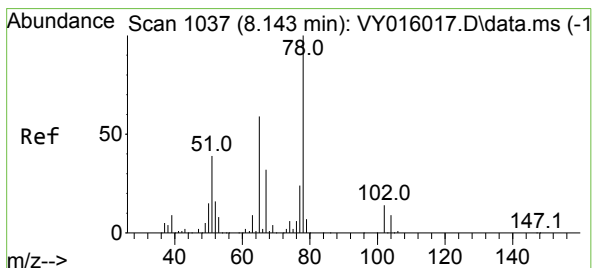
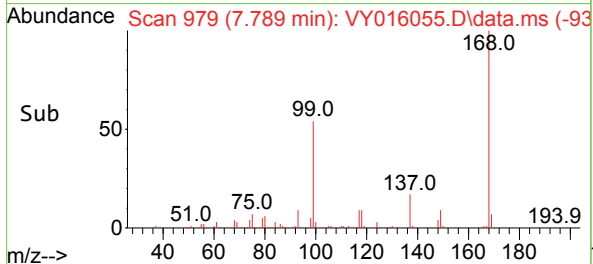
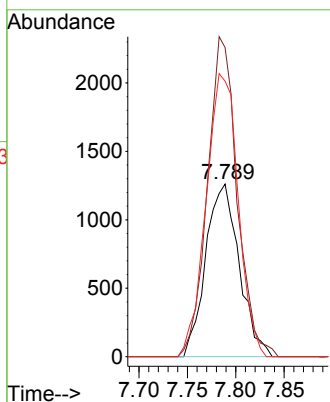
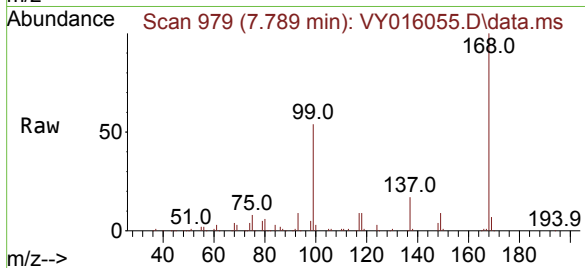




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

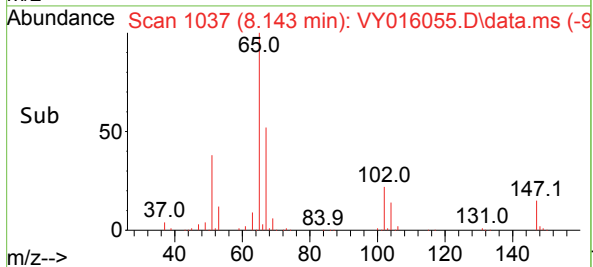
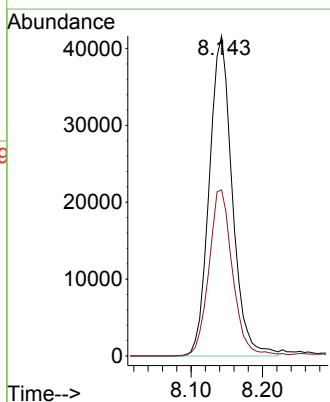
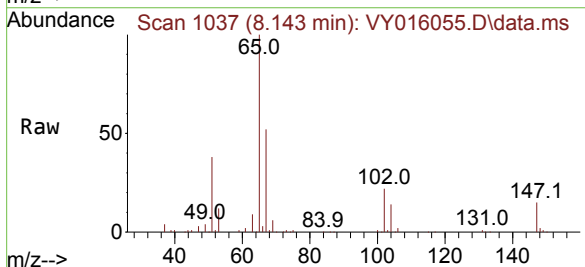
Instrument :
MSVOA_Y
ClientSampleId :

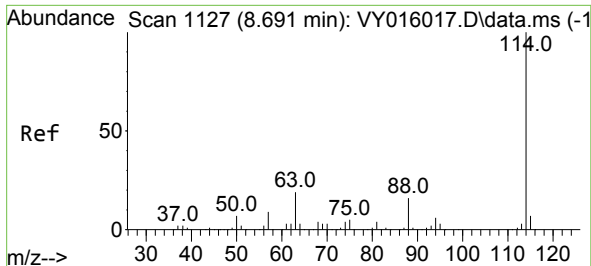
Tgt Ion: 56 Resp: 3031
Ion Ratio Lower Upper
56 100
69 179.1 27.8 41.6#
84 159.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 52.067 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

Tgt Ion: 65 Resp: 93024
Ion Ratio Lower Upper
65 100
67 53.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY016055.D

Acq: 20 Oct 2023 10:13

Instrument :

MSVOA_Y

ClientSampleId :

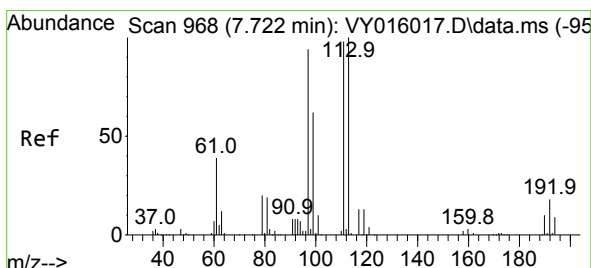
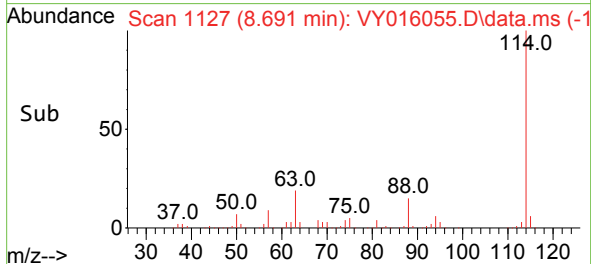
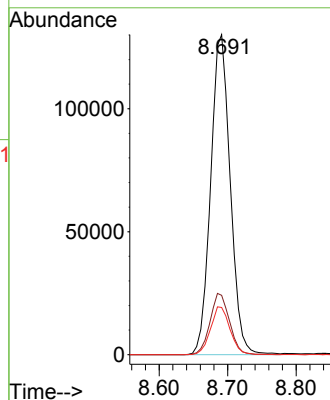
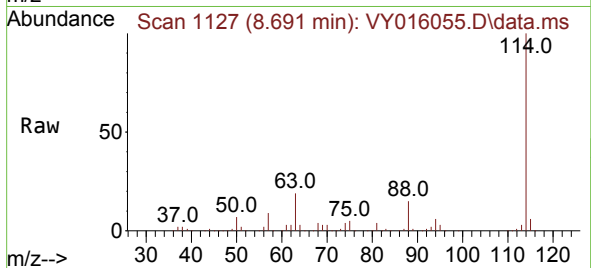
Tgt Ion:114 Resp: 258461

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.743 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY016055.D

Acq: 20 Oct 2023 10:13

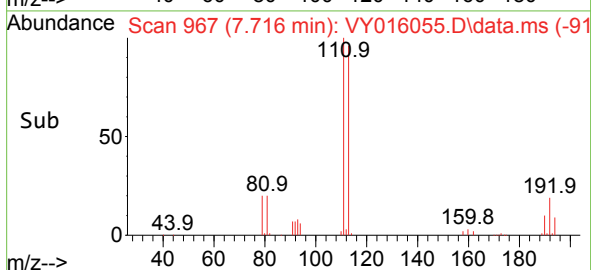
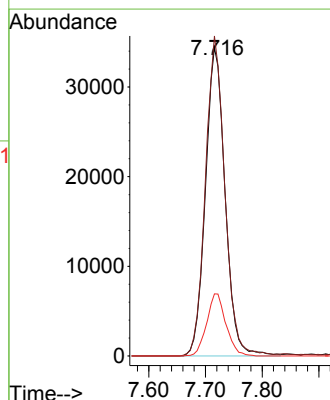
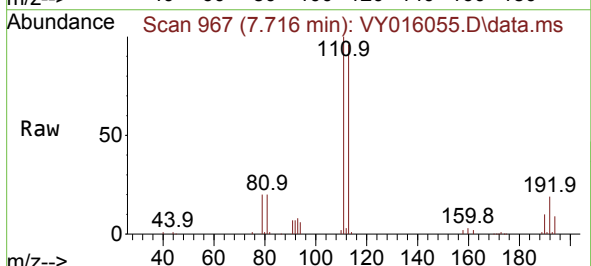
Tgt Ion:113 Resp: 82922

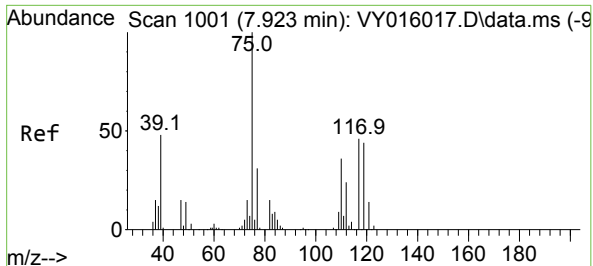
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

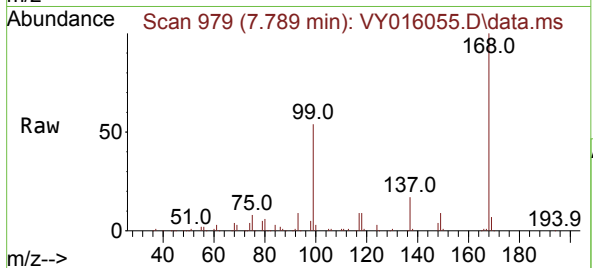
192 19.7 16.9 25.3



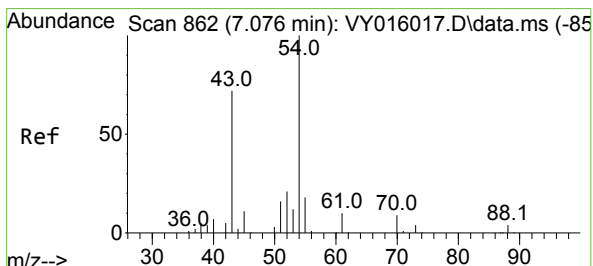
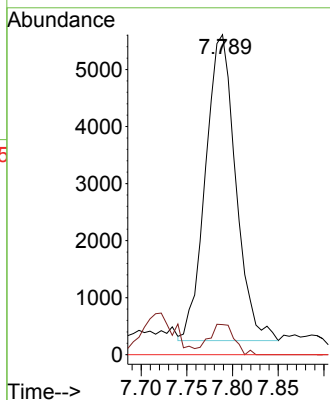
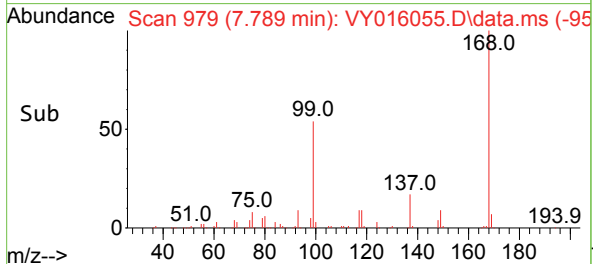


#36
1,1-Dichloropropene
Concen: 4.821 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

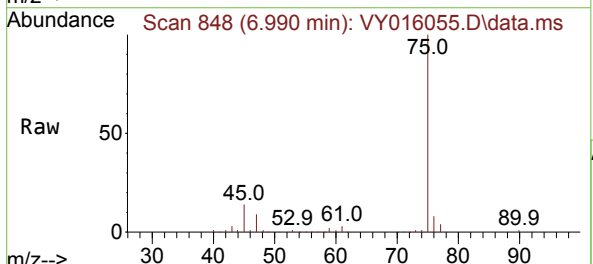
Instrument :
MSVOA_Y
ClientSampleId :



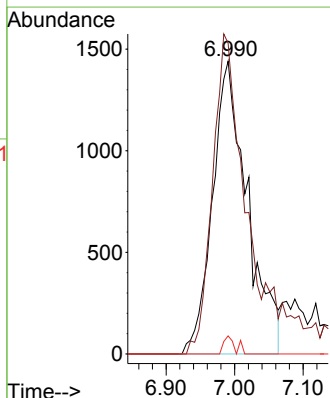
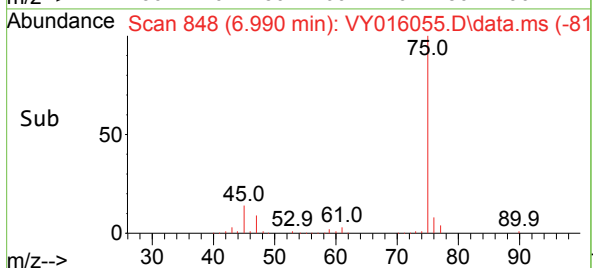
Tgt Ion: 75 Resp: 12338
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#

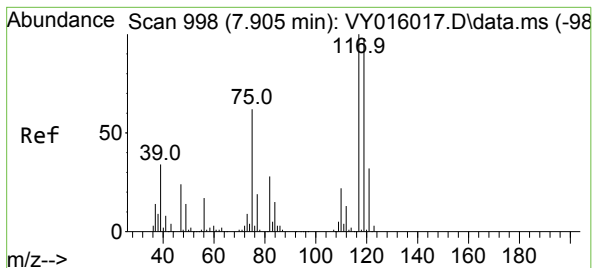


#37
Ethyl Acetate
Concen: 2.767 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.085 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13



Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
61 93.8 10.1 15.1#
70 2.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.674 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.116 min

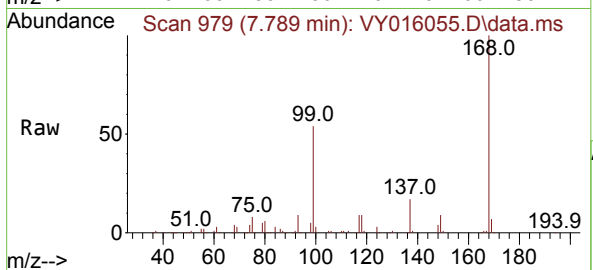
Lab File: VY016055.D

Acq: 20 Oct 2023 10:13

Instrument :

MSVOA_Y

ClientSampleId :



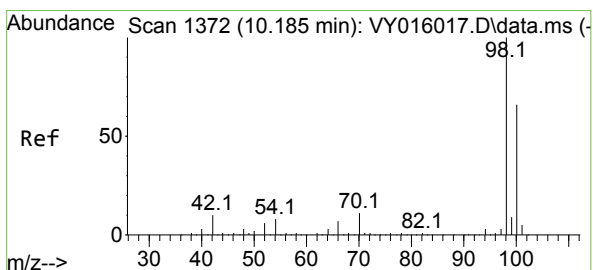
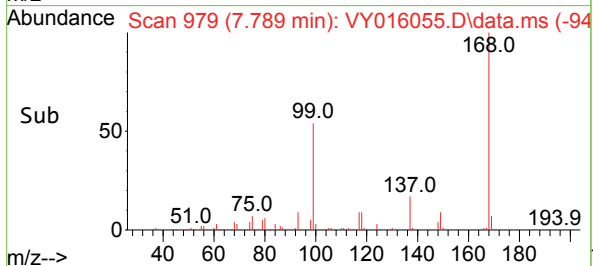
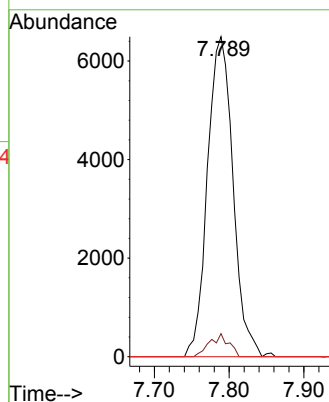
Tgt Ion:117 Resp: 15436

Ion Ratio Lower Upper

117 100

119 7.2 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 48.600 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY016055.D

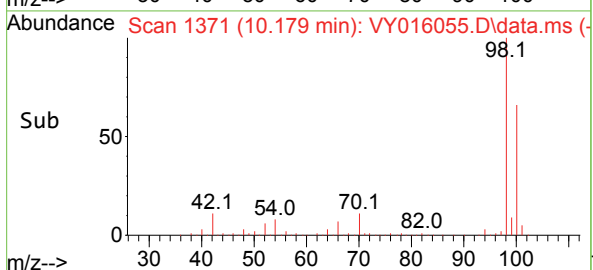
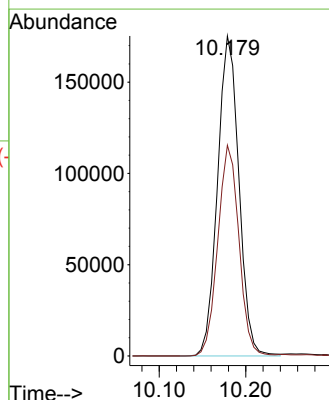
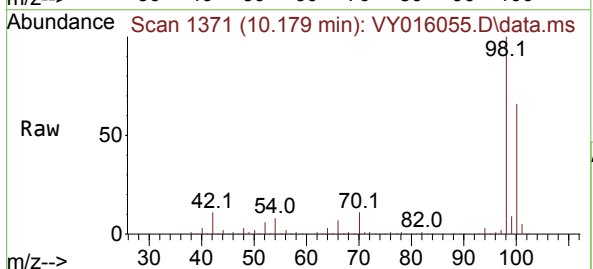
Acq: 20 Oct 2023 10:13

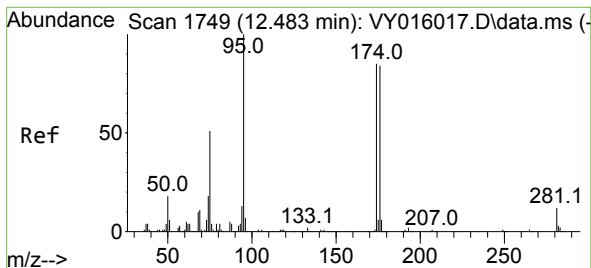
Tgt Ion: 98 Resp: 300279

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1

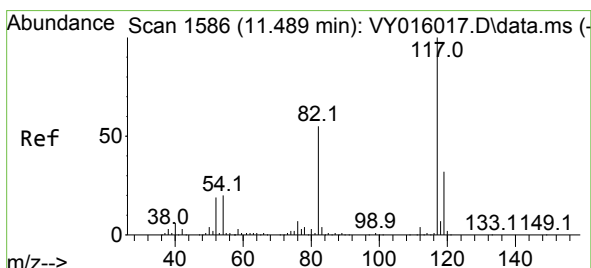
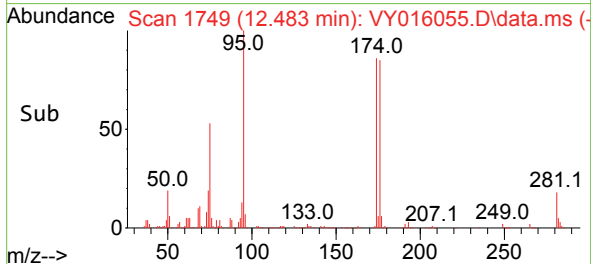
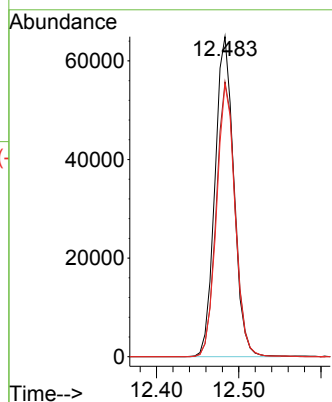
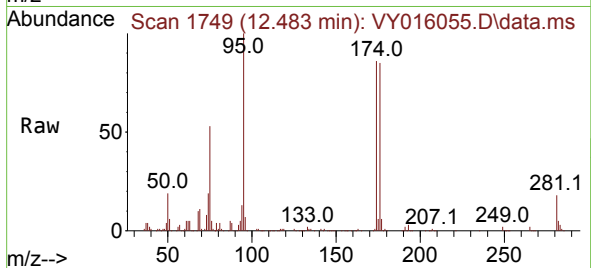




#62
4-Bromofluorobenzene
Concen: 46.769 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

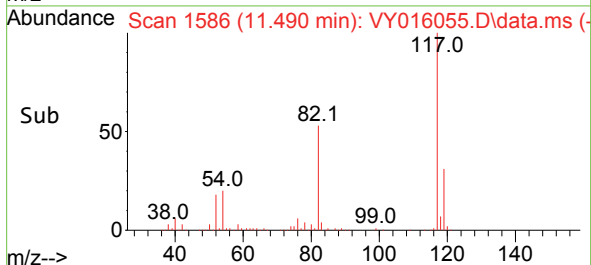
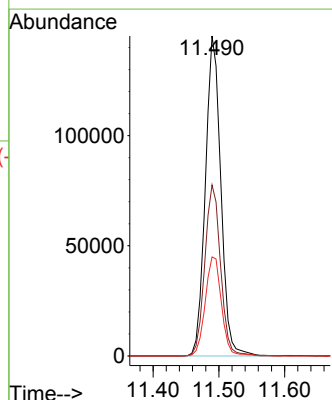
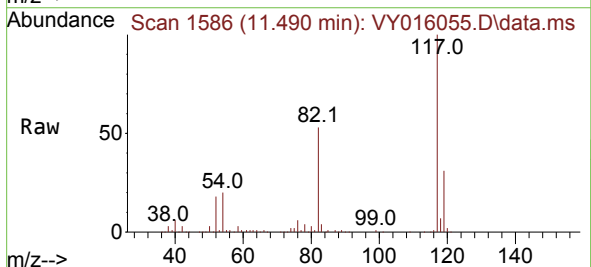
Instrument :
MSVOA_Y
ClientSampleId :

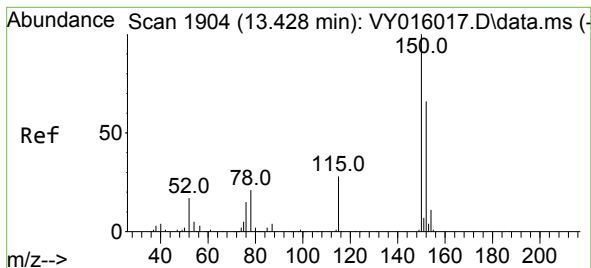
Tgt Ion: 95 Resp: 103107
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.2
176 83.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY016055.D
Acq: 20 Oct 2023 10:13

Tgt Ion: 117 Resp: 237999
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 30.9 26.3 39.5

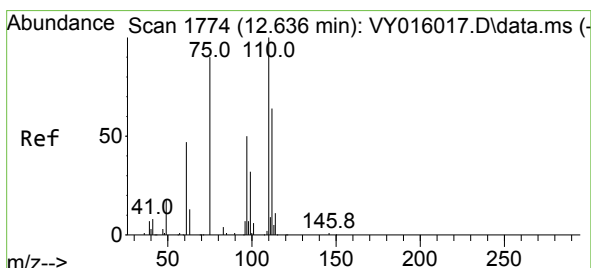
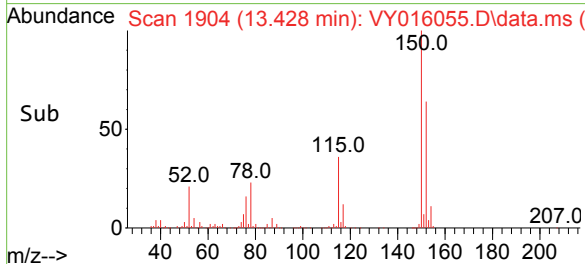
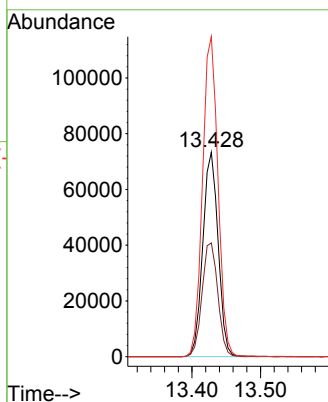
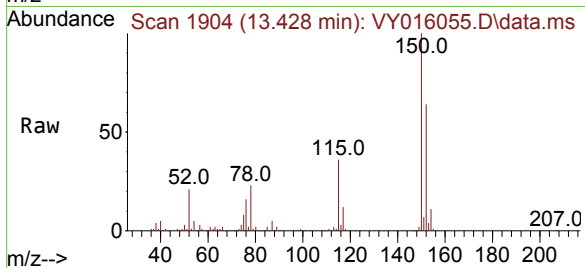




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY016055.D
 Acq: 20 Oct 2023 10:13

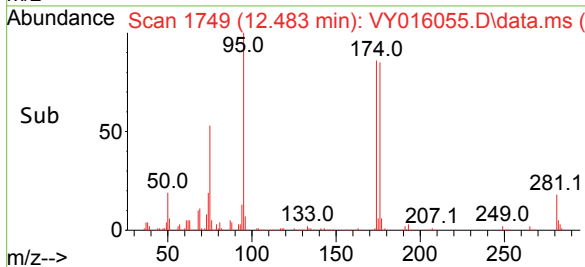
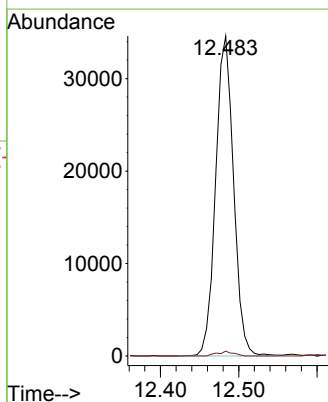
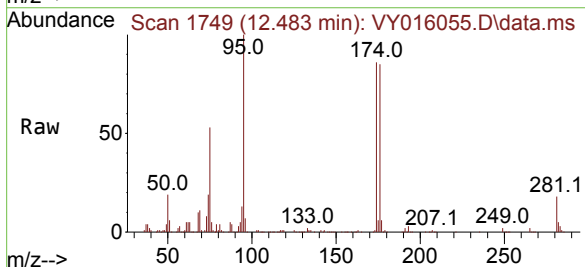
Instrument :
 MSVOA_Y
 ClientSampleId :

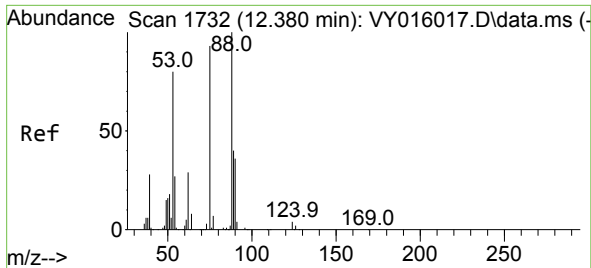
Tgt Ion:152 Resp: 114252
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.8 86.5
 150 157.6 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 34.055 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY016055.D
 Acq: 20 Oct 2023 10:13

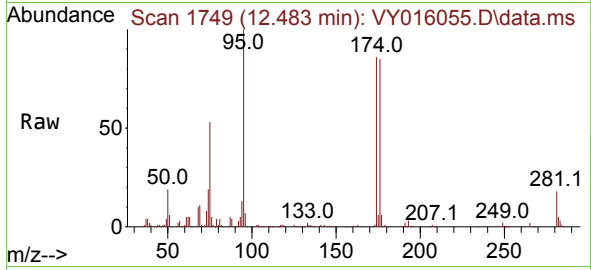
Tgt Ion: 75 Resp: 55090
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.338 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY016055.D
 Acq: 20 Oct 2023 10:13

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 55090
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

